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Notice of Allowability	Application No.	Applicant(s)	
	09/961,134	TSAI ET AL.	
	Examiner	Art Unit	
	Edna Wong	1753	
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERIT herewith (or previously mailed), a Notice of Allowance (PTO NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR 1. This communication is responsive to Amendment dat	FS IS (OR REMAINS) CLOSED in L-85) or other appropriate commun NT RIGHTS. This application is a 1.313 and MPEP 1308.	n this application. If not included	rea TUIC
2. $igtimes$ The allowed claim(s) is/are 24 and 26 -34.			
3. $igotimes$ The drawings filed on <u>21 September 2001</u> are accept	ed by the Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign prior a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents 2. ☐ Certified copies of the priority documents 3. ☐ Copies of the certified copies of the priori International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	have been received. have been received in Applicatio ty documents have been received	n No I in this national stage application t	
Applicant has THREE MONTHS FROM THE "MAILING DA noted below. Failure to timely comply will result in ABAND THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ATE" of this communication to file ONMENT of this application.	a reply complying with the require	ments
 A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which 	submitted. Note the attached EXA n gives reason(s) why the oath or	MINER'S AMENDMENT or NOTION declaration is deficient.	CE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draft		(PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _			
(b) ☐ including changes required by the attached Exam Paper No./Mail Date	iner's Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 C each sheet. Replacement sheet(s) should be labeled as suc	FR 1.84(c)) should be written on th	e drawings in the front (not the back	k) of
7. ☐ DEPOSIT OF and/or INFORMATION about the cattached Examiner's comment regarding REQUIREM	leposit of BIOLOGICAL MATE	RIAL must be submitted. Note:	the
Attachment(s) 1. □ Notice of References Cited (PTO-892) 2. □ Notice of Draftperson's Patent Drawing Review (PTO-9		ormal Patent Application (PTO-152 mmary (PTO-413),	2)
B. ☐ Information Disclosure Statements (PTO-1449 or PTO/	Paper No./I	Mail Date Amendment/Comment	
Paper No./Mail Date L ☐ Examiner's Comment Regarding Requirement for Depo		Statement of Reasons for Allowand	•
of Biological Material	9. Other		Je
		Edma Wong	

EDNA WONG PRIMARY EXAMINER Application/Control Number: 09/961,134

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims **24 and 26-34** are allowable over the prior art of record because the prior art does not teach or suggest a method of forming a metal layer on a substrate, comprising the steps of positioning, contacting, forming and varying as presently claimed, esp., the step of varying the magnitude of the second electrical bias relative to the first electrical bias as the metal layer is formed, prior to *Collins*.

Collins teaches a method of electroplating a metal by applying a pulsed periodic reverse potential comprising a sequential forward to reverse, reverse to forward, continuously repeating pulsing sequence across the electrodes of an electroplating cell utilizing a potential reversal waveform having a peak forward potential density and a peak reverse potential density; and varying the amplitude and duration of the applied potential of the cathodic and anodic portions of the potential reversal waveform to deposit a layer of electroplated metal. Applicants' Declaration under 37 CFR 1.131 has shown that this subject matter was possessed by them prior to August 27, 2001, and thus, Collins is not prior art to the present claims.

Therefore, a person skilled in the art would not have been motivated to adopt the above conditions, and a prima facie case of obviousness cannot be established.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on

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Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edna Wong whose telephone number is (571) 272-1349. The examiner can normally be reached on Mon-Fri 7:30 am to 3:30 pm, Flex Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Edna Wong Primary Examiner Art Unit 1753

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